Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TWO MINUTE TRY-IT: **Rough DNA extraction**

**Materials:** 1 piece of fruit, 1 plastic bag, 5mL of cold ethyl alcohol, toothpick

**Procedure:**

1. Place a piece of fruit in your plastic bag.
2. Smoosh the fruit into a pulp; push all of the pulp into the bottom or corner of your bag
3. Very carefully pour 5 ml of cold ethyl alcohol into the bag. Be sure to pour the alcohol down the side of the bag slowly to reduce the possibility of the 2 liquids mixing.
4. The ethyl alcohol will form a clear layer on the top of the fruit pulp. Let this set for 2 to 3 minutes without disturbing it. Bubbles will form and you can watch the DNA precipitate out of the solution, it will be a white color.
5. Gently place a stirring rod or toothpick in the test tube but do not stir. Roll the stirring rod or toothpick between your fingers and begin to wrap the DNA around the stirring rod. It will look like white threads around the stirring rod.

Record your **observations/ data** (in drawings and words):

|  |  |  |
| --- | --- | --- |
| I saw, felt, heard and smelled | I measured or counted | I wonder |

Write 4 questions we could use to analyze this lab and its connection to our classroom learning:

|  |
| --- |
| 1 |
| 2 |
| 3 |
| 4 |